BRENDA SANCHEZ

Software Engineer

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Secure SSL Server Application

Technologies Used: Java, Spring Boot, SHA-256 Encryption, RESTful API, JUnit

Developed a secure SSL server application using Spring Boot to demonstrate secure communication through encrypted data exchange. Implemented a RESTful endpoint that generates SHA-256 hashed outputs, ensuring data integrity and protection against tampering. Conducted rigorous unit testing with JUnit to validate application stability and functionality. This project highlights expertise in secure coding practices, encryption technologies, and adherence to software security protocols.

Artemis Financial Vulnerability Assessment

Key Skills: Static Code Analysis, Vulnerability Mitigation, Compliance Assurance

Conducted a vulnerability assessment for Artemis Financial's web application, identifying security gaps through manual code review and static analysis. Proposed mitigation strategies, including secure session handling, input validation, and dependency management. The project showcased proficiency in risk assessment, threat mitigation, and ensuring secure software development lifecycle (SDLC) practices.